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- Nakazawa, Toshiharu  
Chigasaki-shi, Kanagawa-ken (JP)
- Sekiguchi, Shinichi  
Yokohama-shi, Kanagawa-ken (JP)
- Noji, Nobuharu  
Zushi-shi, Kanagawa-ken (JP)

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(71) Applicant: **EBARA CORPORATION**  
Ohta-ku, Tokyo (JP)

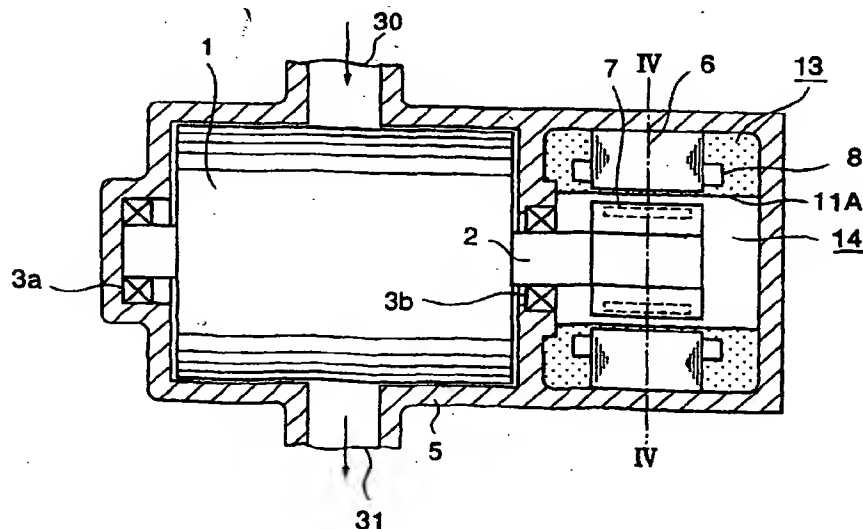
(74) Representative:  
Geyer, Ulrich F., Dr. Dipl.-Phys. et al  
**WAGNER & GEYER,**  
Patentanwälte,  
Gewürzmühlstrasse 5  
80538 München (DE)

(72) Inventors:  
• Ojima, Yoshinori  
Kamakura-shi, Kanagawa-ken (JP)

(54) **Gas transfer machine**

(57) A gas transfer machine for use as a vacuum pump, for example, has a pump rotor mounted on a rotatable shaft for transferring a gas, and a reluctance-type motor for rotating the rotatable shaft. The reluctance-type motor has a stator, a motor rotor surrounded by the stator, and a shield member isolating the stator from the motor rotor. The motor rotor is directly coupled to the rotatable shaft and has a plurality of magnetic salient poles.

**FIG. 3**





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Place of search <b>MUNICH</b>		Date of completion of the search <b>29 April 2003</b>	Examiner <b>Türk, S</b>
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